



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of:		Confirmation No.:	8636
RICCIULLI, Livio		Attorney Docket:	2711-0012
Appl. S.N.:	10/630,559	Group Art Unit:	2445
Filing Date:	July 30, 2003	Examiner:	NGUYEN, Minh Chau
Title:	ON-DEMAND OVERLAY ROUTING FOR COMPUTER-BASED COMMUNICATION NETWORKS	Date:	April 16, 2009

INFORMATION DISCLOSURE STATEMENT
FILED WITH RCE

Hon. Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. One copy of each non-U.S. Patent reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The submission of any document herewith, which is not a statutory bar, is not intended that any such document constitutes prior art against any of the claims of the present application or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference against the claims of the present application.

As the Office was previously advised, this patent application is related to U.S. Patent No. 6,473,405 ("the '405 patent"). The '405 patent was involved in a litigation for patent infringement in the Eastern District of Virginia, in a case captioned *Level 3 Communications, LLC v. Limelight Networks, Inc.* (2:07-cv-00589) ("the Litigation"), in which the plaintiff, Level 3 Communications, LLC, alleged that the defendant, Limelight Networks, Inc., infringed the '405 patent. This IDS cites, *inter alia*, various papers from the Litigation. The Examiner is kindly requested to contact the undersigned with any questions about the Litigation.

This Information Disclosure Statement is being filed with an RCE.
Accordingly, no certification or fee is required.

CHARGE STATEMENT: Deposit Account No. 501860, order no. 2711-0012.

The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

CUSTOMER NUMBER

75948

Respectfully submitted,

By:



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**INFORMATION DISCLOSURE
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FORM PTO-1449 (modified)

Sheet 1 of 17

Application No.	10/630,559
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First Named Inventor	Ricciulli
Group Art Unit	2145
Examiner Name	NGUYEN, Minh Chau
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Confirmation No.	8636

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Publication/ Issue Date	Name of Patentee or Applicant of Cited Document
	1-1	US-5819092	10-06-1998	Ferguson
	1-2	US-6078943	06-20-2000	Yu
	1-3	US-6081835	06-27-2000	Antcliff
	1-4			
	1-5			
	1-6			
	1-7			
	1-8			
	1-9			
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Examiner
Signature

Date
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Sheet 2 of 17

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NON-PATENT REFERENCES

Examiner Initials*	Cite No.	Non-patent Reference bibliographic information, where available	Notes
	2-1	"Cisco DistributedDirector," Cisco Systems, Inc., White Paper, (1996 or 1997 month unknown). [9 pages]	
	2-2	"Detour: Informed Internet Routing and Transport," Savage, et al., IEEE Micro, Vol. 19, issue 1, pgs. 50-59, Jan/Feb. 1999, 10 pages.	
	2-3	"Memorandum to Judge Robert G. Doumar, Counsel for Level 3 Communications, Counsel for Limelight" from Prof. Ellen W. Zegura, re definition of terms in Civil Action No. 2:07cv589 (WDK-FBS) [8 pgs.].	
	2-4	"Opinion and Order," (Markman – claim construction Order), U.S. Dist. Judge Mark S. DAVIS, Dec. 10, 2008 in Civil Action No. 2:07cv589 (WDK-FBS), in US District Court, Norfolk, VA. [51 pgs.].	
	2-5	ALMEROOTH, K., et al. "Scalable Delivery of Web Pages Using Cyclic Best-Effort (UDP) Multicast", IEEE INFOCOM, San Francisco, California, USA, June 1998.	
	2-6	ALMEROOTH, K., Exhibit H to Expert Report of Dr. Kevin C. Almeroth filed in Civil Action No. 2:07cv589 (RGD-FBS), U.S. Dist. Ct. E.D. Va., dated July 25, 2008 [59 pages].	
	2-7	ALMEROOTH, K., Exhibit I to Expert Report of Dr. Kevin C. Almeroth filed in Civil Action No. 2:07cv589 (RGD-FBS), U.S. Dist. Ct. E.D. Va., dated July 25, 2008 [95 pages].	

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	3-1	ALMEROTH, K., Exhibit J to Expert Report of Dr. Kevin C. Almeroth filed in Civil Action No. 2:07cv589 (RGD-FBS), U.S. Dist. Ct. E.D. Va., dated July 25, 2008, [105 pages].	
	3-2	ALMEROTH, K., Exhibit K-1 to Expert Report of Dr. Kevin C. Almeroth filed in Civil Action No. 2:07cv589 (RGD-FBS), U.S. Dist. Ct. E.D. Va., dated July 25, 2008, [152 pages].	
	3-3	ALMEROTH, K., Exhibit K-2 to Expert Report of Dr. Kevin C. Almeroth filed in Civil Action No. 2:07cv589 (RGD-FBS), U.S. Dist. Ct. E.D. Va., dated July 25, 2008 [25 pages].	
	3-4	ALMEROTH, K., Expert Report of Dr. Kevin C. Almeroth filed in Civil Action No. 2:07cv589 (RGD-FBS), U.S. Dist. Ct. E.D. Va., dated July 25, 2008. [64 pages and Exhibits H-J, K1, K2]	
	3-5	ALMEROTH, K., Reply and Supplemental Report of Dr. Kevin C. Almeroth to the Answering Report of Mr. Tony Clark, filed in Civil Action No. 2:07cv589 (RGD-FBS), Sept. 5, 2008. [56 pgs.].	
	3-6	ALMEROTH, K., Supplemental Expert Report of Dr. Kevin C. Almeroth, filed in Civil Action No. 2:07cv589 (RGD-FBS), Aug. 25, 2008 [6 pgs.].	
	3-7	BAENTSCH, M., et al., "Introducing Application-Level Replication and Naming into Today's Web," Computer Networks and ISDN Systems, vol. 28, num. 7-11, pgs. 921-930, May 1996.	

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Sheet 4 of 17

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	4-1	Berners-Lee, T. & Connolly, D., "Hypertext Markup Language - 2.0," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1866, Nov. 1995.	
	4-2	BERNERS-LEE, T., et al., "Hypertext Transfer Protocol – HTTP/1.0," Internet Engineering Task Force (IETF) Internet Draft, draft-ietf-http-v10-spec-00.ps, March 1995.	
	4-3	BERNERS-LEE, T., et al., "Hypertext Transfer Protocol – HTTP/1.0," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1945, May 1996.	
	4-4	BERNERS-LEE, T., et al., RFC 1738--Uniform Resource Locators, Dec. 1994.	
	4-5	Berners-Lee, T., "Resource Identifiers in WWW: A Unifying Syntax for the Expression of Names and Addresses of Objects on the Network as used in the World-Wide Web," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1630, June 1994.	
	4-6	Bestavros, A. Demand-based document dissemination to reduce traffic and balance load in distributed information systems. In Proc. IEEE Symp. on Parallel and Distributed Processing, San Antonio, TX, October 1995.	
	4-7	Bhattacharjee et al., "Application-layer anycasting," in Proc. IEEE INFOCOM '97, April, 1997.	

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Sheet 5 of 17

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	5-1	Brisco, T. P. RFC 1794: DNS support for load balancing, Apr. 1995.	
	5-2	CALLON, R., "Use of OSI IS-IS for Routing in TCP/IP and Dual Environments," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1195, December 1990.	
	5-3	CHANDRA, R. et al., "BGP Communities Attribute," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1997, August 1996.	
	5-4	CHEN, E., et al., "An Application of the BGP Community Attribute in Multi-home Routing," Internet Engineering Task Force (IETF) Request for Comments (RFC) 1998, August 1996.	
	5-5	CLARK, T, Answering Report of Tony Clark Pursuant To Fed. R. Civ. P. 26(a)(2)(b) Concerning The Validity Of U.S. Patent No. 6,473,405, August 25, 2008, in Civil Action No. 2:07cv589 (RGD-FBS), E.D. Va. [87 pgs.]	
	5-6	CLARK, T, EXHIBIT A, to Answering Report of Tony Clark Pursuant To Fed. R. Civ. P. 26(a)(2)(b) Concerning The Validity Of U.S. Patent No. 6,473,405, August 25, 2008, in Civil Action No. 2:07cv589 (RGD-FBS), E.D. Va. [3 pgs.]	
	5-7	CLARK, T, EXHIBIT B, to Answering Report of Tony Clark Pursuant To Fed. R. Civ. P. 26(a)(2)(b) Concerning The Validity Of U.S. Patent No. 6,473,405, August 25, 2008, in Civil Action No. 2:07cv589 (RGD-FBS), E.D. Va. [2 pgs.]	

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Sheet 6 of 17	Confirmation No.	8636

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	6-1	CLARK, T, Supplemental Answering Report of Tony Clark Pursuant To Fed. R. Civ. P. 26(a)(2)(b) Concerning The Validity Of U.S. Patent No. 6,473,405, Dec. 17, 2008, in Civil Action No. 2:07cv589 (RGD-FBS), E.D. Va. [22 pgs.]	
	6-2	COLAJANNI, M., et al., "Scheduling Algorithms for Distributed Web Servers," International Conf. on Distributed Computing Systems (ICDCS), Baltimore, Maryland, USA, May 1997.	
	6-3	Declaration Kevin C. Almeroth in Support of Limelight Networks, Inc.'s Motion for Summary Judgment of Non-Infringement and Invalidity of All Patents-In-Suit, filed August 28, 2008 in Civil Action No. 2:07cv589 (RGD-FBS) [39 pgs.].	
	6-4	Declaration of Courtney Holohan in Support of Limelight Networks, Inc.'s Motion for Summary Judgment of Non-Infringement and Invalidity of All Patents-In-Suit, including EXHIBITS A-V, Filed 8/28/08 in Civil Action No. 2:07cv589 [277 pgs.].	
	6-5	Defendant Limelight Network Inc.'s Combined Motion For Leave To Amend Its Answer And To Compel Related Interrogatory Responses, in Civil Action No. 2:07cv589, September 9, 2008 [4 pgs. and exhibits 1-2].	
	6-6	Defendant Limelight Network Inc.'s Memorandum Of Points And Authorities In Support Of Its Combined Motion For Leave To Amend Its Answer And To Compel Related Interrogatory Responses (PUBLIC VERSION), in Civil Action No. 2:07cv589, September 9, 2008 [18 pgs.].	
	6-7	Defendant Limelight Network Inc.'s Notice of Deposition of Andrew Collins, in Civil Action No. 2:07cv589 (WDK-FBS), [28 pgs.].	

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Sheet 7 of 17

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Examiner Initials*	Cite No.	Non-patent Reference bibliographic information, where available	Notes
	7-1	Defendant Limelight Network Inc.'s Rebuttal Brief In Support Of Its Combined Motion For Leave To Amend Its Answer And Compel Related Interrogatory Responses (Public version), filed 10/07/2008 in civil action No. 2:07-cv-00589-MSD -FBS [21 pgs.]	
	7-2	Defendant Limelight Network Inc.'s Supplemental Responses To Plaintiff's First Set Of Interrogatories (Redacted), April 21, 2008, in civil action No. 2:07-cv-00589-WDK-FBS [46 pgs.]	
	7-3	Defendant Limelight Networks, Inc.'s Claim Construction Brief for U.S. Patent Nos. 6,654,807; 7,054,935 and 6,473,405, in Civil Action No. 2:07cv589, June 27, 2008, with Exhibits 1-24 [333 pgs.].	
	7-4	Defendant Limelight Networks, Inc.'s Claim Construction Brief for U.S. Patent Nos. 6,654,807; 7,054,935; and 6,473,405, filed in Civil Action No. 2:07CV589 (RGD-FBS), June 27, 2008 [38 pgs.].	
	7-5	Defendant Limelight Networks, Inc.'s Reply Brief In Support Of Its Motion For Summary Judgment Of Non-Infringement And Invalidity Of All Patents-In-Suit, filed October 1, 2008 in Civil Action No. 2:07cv589 (JBF-FBS) [21 pgs.].	
	7-6	Defendant Limelight Networks, Inc.'s Memorandum in Support of its Motion for Summary Judgment of Non-Infringement and Invalidity of all Patents-In-Suit, [Redacted] for Civil Action No. 2:07cv589 (RGD-FBS), Aug. 28, 2008 [31 pgs.].	
	7-7	Defendant Limelight Networks, Inc.'s Supplemental Responses To Plaintiff's First Set Of Interrogatories (No. 2-4, 12-13, And 19) [Redacted], May 16, 2008, in civil action No. 2:07-cv-00589-WDK-FBS [70 pgs.].	

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Sheet 8 of 17	Confirmation No.	8636

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	8-1	Defendant Limelight Networks, Inc.'s Supplemental Responses To Plaintiff's First Set Of Interrogatories (Nos. 1-11, 13-14, 17 and 19-20, [redacted] 02/09/2008, in civil action No. 2:07-cv-00589-RGD-FBS [101 pgs.].	
	8-2	Delgrossi, L. et al., "Internet Stream Protocol Version 2 (ST2) Protocol Specification - Version ST2+" Network Working Group ST2 Working Group, Request for Comments (RFC) 1819, Aug. 1995 [109 pgs.]	
	8-3	Deposition of Livio RICCIULLI, in Civil Action No. 2:07cv589 (WDK-FBS), Aug. 19, 2008, EXHIBIT 144, Email from Livio Ricciulli dated May 7, 1999 [1 pg.].	
	8-4	Deposition of Livio RICCIULLI, in Civil Action No. 2:07cv589 (WDK-FBS), Aug. 19, 2008, EXHIBIT 147, email from Livio Ricciulli dated March 21, 1999 [6 pgs.].	
	8-5	ERIKSSON, H., "MBONE: The Multicast Backbone," Communications of the ACM, vol. 37, num. 8, Pg. 54-60, August 1994.	
	8-6	EXHIBIT 140 to Deposition of Livio RICCIULLI, in Civil Action No. 2:07cv589 (WDK-FBS), Aug. 19, 2008, document titled "Defendant Limelight Network, Inc.'s First Notice of Rule 30(b)(6) Deposition of Level 3 Communications, LLC," dated July 18, 2008 [11 pgs.].	
	8-7	EXHIBIT 141 to Deposition of Livio RICCIULLI, in Civil Action No. 2:07cv589 (WDK-FBS), Aug. 19, 2008, document titled "Subpoena in a Civil Case," 06/19/2008 [9 pgs.].	

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